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Selective activation of cervical microvascular endothelial cells by human papillomavirus 16-e7 oncoprotein.
J Natl Cancer Inst. 2001 Dec 19;93(24):1843-51.
PMID: 11752008 [PubMed - indexed for MEDLINE]

☐ 2: [D'Anna R, Le Buanec H, Bizzini B, Burny A, Giannouli C, Zagury JF, Gallo RC, Zagury D, D'Alessio P.](#) Related Articles, Links

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J Biol Chem. 2002 Mar 22;277(12):10445-51. Epub 2002 Jan 9.
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[Immortalization of human embryonic cervical epithelial cells induced by E6, E7 genes of human papillomavirus 16]
Zhonghua Fu Chan Ke Za Zhi. 2004 Jul;39(7):486-8. Chinese.
PMID: 15347475 [PubMed - indexed for MEDLINE]

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signaling pathway.

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- ☐ 8: [van den Berg RH, Faber-Krol MC, Sim RB, Daha MR.](#) Related Articles, Links



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PMID: 9862726 [PubMed - indexed for MEDLINE]

- ☐ 9: [Chandrasekar B, Vernula K, Surabhi RM, Li-Weber M, Owen-Schaub LB, Jensen LE, Mummidi S.](#) Related Articles, Links



Activation of intrinsic and extrinsic proapoptotic signaling pathways in interleukin-18-mediated human cardiac endothelial cell death.

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- ☐ 10: [D'Alquen D, Kramer BW, Seidenspinner S, Marx A, Berg D, Groneck P, Speer CP.](#) Related Articles, Links



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PMID: 15611353 [PubMed - indexed for MEDLINE]

- ☐ 11: [Handrigan MT, Burns AR, Donnachie EM, Bowden RA.](#) Related Articles, Links



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Shock. 2005 Nov;24(5):434-9.

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J Invest Dermatol. 1998 Jul;111(1):50-6.

PMID: 9665386 [PubMed - indexed for MEDLINE]

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PMID: 14506741 [PubMed - indexed for MEDLINE]
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File: USPT

Feb 21, 2006

US-PAT-NO: 7001995.

DOCUMENT-IDENTIFIER: US 7001995 B1

TITLE: Synthetic human papillomavirus genes

DATE-ISSUED: February 21, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Neeper; Michael P	Collegeville	PA		US
McClements; William L.	Doylestown	PA		US
Jansen; Kathrin U.	Doylestown	PA		US
Schultz; Loren D.	Harleysville	PA		US
Chen; Ling	Blue Bell	PA		US
Wang; Xin-Min	Schwenksville	PA		US

US-CL-CURRENT: 536/23.1; 424/93.21, 435/320.1, 435/69.1

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☐ 2. Document ID: US 6797491 B2

L3: Entry 2 of 14

File: USPT

Sep 28, 2004

US-PAT-NO: 6797491

DOCUMENT-IDENTIFIER: US 6797491 B2

**** See image for Certificate of Correction ****

TITLE: Human papilloma virus treatment

DATE-ISSUED: September 28, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Neeffe; John R.	Devon	PA		
Goldstone; Stephen E.	New York	NY		
Winnett; Mark T.	Phoenixville	PA		

Siegel; Marvin
Boux; Leslie J.

Blue Bell
Victoria

PA

CA

US-CL-CURRENT: 435/69.1; 424/192.1, 424/204.1, 424/234.1, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 3. Document ID: US 6734173 B1

L3: Entry 3 of 14

File: USPT

May 11, 2004

US-PAT-NO: 6734173

DOCUMENT-IDENTIFIER: US 6734173 B1

TITLE: HSP DNA vaccines

DATE-ISSUED: May 11, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wu; Tzyy-Choou	Stevenson	MD		
Hung; Chien-Fu	Brookeville	MD		

US-CL-CURRENT: 514/44; 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 4. Document ID: US 6649167 B2

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File: USPT

Nov 18, 2003

US-PAT-NO: 6649167

DOCUMENT-IDENTIFIER: US 6649167 B2

TITLE: Papillomavirus truncated L1 protein and fusion protein constructs

DATE-ISSUED: November 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hallek; Michael	Munich			DE
Burger; Alexander	Munich			DE

US-CL-CURRENT: 424/186.1; 424/184.1, 424/204.1, 424/205.1, 435/69.1, 435/69.3,
536/23.72, 977/802

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw. De
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☐ 5. Document ID: US 6562351 B2

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File: USPT

May 13, 2003

US-PAT-NO: 6562351

DOCUMENT-IDENTIFIER: US 6562351 B2

**** See image for Certificate of Correction ****

TITLE: Papilloma truncated L1 protein and fusion protein constructs

DATE-ISSUED: May 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hallek; Michael	Munich			DE
Burger; Alexander	Munich			DE

US-CL-CURRENT: 424/204.1; 424/184.1, 424/186.1, 424/205.1, 435/5, 435/6, 530/300, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawings
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☐ 6. Document ID: US 6342224 B1

L3: Entry 6 of 14

File: USPT

Jan 29, 2002

US-PAT-NO: 6342224

DOCUMENT-IDENTIFIER: US 6342224 B1

TITLE: Recombinant papillomavirus vaccine and method for production and treatment

DATE-ISSUED: January 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bruck; Claudine	Rixensart			BE
Silva; Teresa Cabezon	Lenkebeek			BE
Fernande Delisse; Anne-Marie Eva	Gosselies			BE
Ghislaine Gerard; Catherine Marie	Rhode Saint Genese			BE
Lombardo-Bencheikh; Angela	Wavre			BE

US-CL-CURRENT: 424/192.1; 424/185.1, 424/186.1, 424/204.1, 435/252.3, 435/320.1, 435/325, 435/69.3, 435/69.7, 530/350, 536/23.4, 536/23.72

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☐ 7. Document ID: US 6306397 B1

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File: USPT

Oct 23, 2001

US-PAT-NO: 6306397

DOCUMENT-IDENTIFIER: US 6306397 B1

TITLE: Variants of human papilloma virus antigens

DATE-ISSUED: October 23, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edwards; Stirling John	Northcote			AU
Cox; John Cooper	Bullengarook			AU
Webb; Elizabeth Ann	Eltham			AU
Frazer; Ian	St. Lucia			AU

US-CL-CURRENT: 424/192.1; 424/186.1, 424/204.1, 435/235.1, 435/69.1, 435/69.7,
536/23.1, 536/23.72, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KOMC	Draw. D.
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☐ 8. Document ID: US 6183745 B1

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File: USPT

Feb 6, 2001

US-PAT-NO: 6183745

DOCUMENT-IDENTIFIER: US 6183745 B1

TITLE: Subunit papilloma virus vaccine and peptides for use therein

DATE-ISSUED: February 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tindle; Robert	Kenmore			AU
Fernando; Germain	Jamboree Heights			AU
Frazer; Ian	St. Lucia			AU

US-CL-CURRENT: 424/185.1; 530/350, 530/395, 530/403

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☐ 9. Document ID: US 6007806 A

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File: USPT

Dec 28, 1999

US-PAT-NO: 6007806

DOCUMENT-IDENTIFIER: US 6007806 A

TITLE: Expression of a tumor-specific antigen by a recombinant vector virus and use thereof in preventive or curative treatment of the corresponding tumor

DATE-ISSUED: December 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lathe; Richard	Strasbourg			FR
Kieny; Marie-Paule	Strasbourg			FR
Meneguzzi; Guerrino	Nice			FR

US-CL-CURRENT: [424/93.2](#); [424/93.6](#), [435/235.1](#), [435/320.1](#)

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☐ 10. Document ID: US 6004557 A

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File: USPT

Dec. 21, 1999

US-PAT-NO: 6004557

DOCUMENT-IDENTIFIER: US 6004557 A

TITLE: Variants of human papillomavirus antigens

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Edwards; Stirling John	Caburg			AU
Cox; John Cooper	Bullengarook			AU
Webb; Elizabeth Ann	Eltham			AU
Frazer; Ian	St. Lucia.			AU

US-CL-CURRENT: [424/192.1](#); [424/186.1](#), [424/199.1](#), [424/204.1](#), [435/235.1](#), [435/320.1](#),
[435/69.1](#), [435/69.7](#), [536/23.1](#), [536/23.72](#) , [536/24.3](#)

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Search Results - Record(s) 1 through 10 of 25 returned.

☐ 1. Document ID: US 20060251677 A1

L4: Entry 1 of 25

File: PGPB

Nov 9, 2006

PGPUB-DOCUMENT-NUMBER: 20060251677

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060251677 A1

TITLE: Packaging of immunostimulatory oligonucleotides into virus-like particles:
method of preparation and use

PUBLICATION-DATE: November 9, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Bachmann; Martin F.	Seuzach		CH
Cornelius; Andreas	Regensdorf		CH
Manolova; Vania	Zurich		CH
Maurer; Patrik	Winterhur		CH
Meijerink; Edwin	Zurich		CH
Proba; Karl G.	Zurich		CH
Schwarz; Katrin	Schlieren		CH

US-CL-CURRENT: [424/204.1](#); [514/44](#), [977/802](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw. D
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☐ 2. Document ID: US 20060247190 A1

L4: Entry 2 of 25

File: PGPB

Nov 2, 2006

PGPUB-DOCUMENT-NUMBER: 20060247190

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060247190 A1

TITLE: Compositions and methods for treating human papillomavirus mediated disease

PUBLICATION-DATE: November 2, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Beach; Kathleen	Amherst	MA	US

Hedley; Mary Lynne	Lexington	MA	US
Urban; Robert G.	Lexington	MA	US
Chicz; Roman M.	Belmont	MA	US

US-CL-CURRENT: 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 3. Document ID: US 20060233820 A1

L4: Entry 3 of 25

File: PGPB

Oct 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060233820
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060233820 A1

TITLE: Non-immunosuppressive imunogenic or vaccine composition comprising a mutated e7 protein of the hpv-16 virus

PUBLICATION-DATE: October 19, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Zagury; Daniel	Paris		FR
Le Buanec; Helene	Paris		FR
Bizzini; Bernard	Albi		FR

US-CL-CURRENT: 424/186.1; 424/204.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 4. Document ID: US 20060147906 A1

L4: Entry 4 of 25

File: PGPB

Jul 6, 2006

PGPUB-DOCUMENT-NUMBER: 20060147906
PGPUB-FILING-TYPE:
DOCUMENT-IDENTIFIER: US 20060147906 A1

TITLE: Anti-hpv-16 e7 antibodies and their use

PUBLICATION-DATE: July 6, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Zwerschke; Werner Paul	Innsbruck		AT
Jansen-Duerr; Pidder	Innsbruck		AT
Fiedler; Marc	Innsbruck		AT
Viertler; Johann Peter	Mieders		AT
Widschwendter; Andreas	Jenbach		AT

Mueller-Holzner; Elisabeth	Gnadenwald	AT
Laich; Andreas	Innsbruck	AT
Fitzky; Barhard	Arams	AT

US-CL-CURRENT: 435/5; 530/388.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 5. Document ID: US 20060110793 A1

L4: Entry 5 of 25

File: PGPB

May 25, 2006

PGPUB-DOCUMENT-NUMBER: 20060110793

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060110793 A1

TITLE: Methods and compositions for increasing longevity and protein yield from a cell culture

PUBLICATION-DATE: May 25, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Goldenberg; David M.	Mendham	NJ	US
Qu; Zhengxing	Warren	NJ	US
Horak; Eva	West Orange	NJ	US
Horak; Ivan D.	West Orange	NJ	US
Chang; Chien Hsing	Downingtown	PA	US
Rossi; Edmund A.	Nutley	NJ	US
Yang; Jeng-Dar	Bedminster	NJ	US

US-CL-CURRENT: 435/69.1; 435/183, 435/320.1, 435/326, 435/354, 435/69.5, 530/351, 530/388.1, 530/399, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 6. Document ID: US 20060099219 A1

L4: Entry 6 of 25

File: PGPB

May 11, 2006

PGPUB-DOCUMENT-NUMBER: 20060099219

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060099219 A1

TITLE: Mutated hpv-16e7 polypeptide, pharmaceutical composition comprising it and its preparation process

PUBLICATION-DATE: May 11, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hallez; Sophie	Orbais		BE
Burny; Arsene	Gembloux		BE
Jacquet; Alain	Brussels		BE
Bollen; Alex	Itterbeek		BE

US-CL-CURRENT: 424/186.1; 435/320.1, 435/325, 435/456, 435/5, 435/69.3, 530/350,
536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 7. Document ID: US 20060067944 A1

L4: Entry 7 of 25

File: PGPB

Mar 30, 2006

PGPUB-DOCUMENT-NUMBER: 20060067944

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060067944 A1

TITLE: Stable immunogenic product comprising antigenic heterocomplexes

PUBLICATION-DATE: March 30, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Le Buannec; Helene	Paris		FR
Cohen; Paul	Paris		FR
Peltre; Gabriel	Paris		FR
Zagury; Daniel	Paris		FR

US-CL-CURRENT: 424/187.1; 424/188.1, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 8. Document ID: US 20060029943 A1

L4: Entry 8 of 25

File: PGPB

Feb 9, 2006

PGPUB-DOCUMENT-NUMBER: 20060029943

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060029943 A1

TITLE: Compositions, methods and products comprising human papillomavirus for detecting and treating a cancer

PUBLICATION-DATE: February 9, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hermonat; Paul L.	Little Rock	AR	US

Klimberg; V. Suzanne	Little Rock	AR	US
Liu; Yong	Little Rock	AR	US

US-CL-CURRENT: 435/6; 435/91.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw D
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☐ 9. Document ID: US 20050226888 A1

L4: Entry 9 of 25

File: PGPB

Oct 13, 2005

PGPUB-DOCUMENT-NUMBER: 20050226888

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050226888 A1

TITLE: Methods for generating immunity to antigen

PUBLICATION-DATE: October 13, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Deisseroth, Albert	San Diego	CA	US
Tang, Yucheng	San Diego	CA	US
Zhang, Wei-Wei	San Diego	CA	US
Fang, Xiang-Ming	San Diego	CA	US

US-CL-CURRENT: 424/185.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw D
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☐ 10. Document ID: US 20050123562 A1

L4: Entry 10 of 25

File: PGPB

Jun 9, 2005

PGPUB-DOCUMENT-NUMBER: 20050123562

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050123562 A1

TITLE: Novel composition

PUBLICATION-DATE: June 9, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Wettendorff, Martine Anne Cecile	Rixensart		BE

US-CL-CURRENT: 424/202.1; 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw D
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L10: Entry 1 of 1

File: DWPI

Oct 19, 2006

DERWENT-ACC-NO: 2003-865511

DERWENT-WEEK: 200670

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TITLE: New mutated human papillomavirus-16 E7 polypeptide having a deleted sequence from amino acid 21 to 26, useful for manufacturing a medicament in the treatment or prevention of cancer, preferably cancer induced by a human papillomavirus

INVENTOR: BOLLEN, A; BURNY, A ; HALLEZ, S ; JACQUET, A ; BIZZINI, B ; COHEN, P ; LE BUANEC, H ; ZAGURY, D

PRIORITY-DATA: 2003FR-0004170 (April 3, 2003), 2002FR-0005173 (April 24, 2002), 2002US-410461P (September 13, 2002)

[Search Selected](#)[Search ALL](#)[Clear](#)

PATENT-FAMILY:

	PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/>	US 20060233820 A1	October 19, 2006		000	A61K039/12
<input type="checkbox"/>	WO 2003090664 A2	November 6, 2003	E	038	A61K000/00
<input type="checkbox"/>	WO 2003090667 A2	November 6, 2003	F	000	A61K000/00
<input type="checkbox"/>	FR 2839072 A1	October 31, 2003		000	C07K014/025
<input type="checkbox"/>	FR 2839080 A1	October 31, 2003		000	C12P021/02
<input type="checkbox"/>	AU 2003221650 A1	November 10, 2003		000	A61K000/00
<input type="checkbox"/>	AU 2003249143 A1	November 10, 2003		000	A61K000/00
<input type="checkbox"/>	BR 200309491 A	February 15, 2005		000	C07K014/025
<input type="checkbox"/>	BR 200309603 A	February 15, 2005		000	C07K014/025
<input type="checkbox"/>	EP 1509543 A2	March 2, 2005	F	000	C07K014/025
<input type="checkbox"/>	EP 1515987 A2	March 23, 2005	E	000	C07K014/025
<input type="checkbox"/>	JP 2005532298 W	October 27, 2005		046	A61K039/00
<input type="checkbox"/>	CN 1656116 A	August 17, 2005		000	C07K014/025
<input type="checkbox"/>	AU 2003221650 A8	October 20, 2005		000	C07K014/025
<input type="checkbox"/>	US 20060099219 A1	May 11, 2006		000	A61K039/12

US 20060099219 A1

INT-CL (IPC): A61K 0/00; A61K 31/71; A61K 31/711; A61K 38/16; A61K 39/00; A61K 39/12; A61K 39/23; A61K 39/39; A61K 39/395; A61K 48/00; A61P 31/12;

A61P 35/00; A61P 37/04; C07H 21/00; C07H 21/04; C07K 14/005; C07K 14/025; C07K 14/16; C07K 16/08; C12N 15/11; C12N 15/37; C12N 15/63; C12N 15/86; C12P 21/02; C12Q 1/70; C12P 21/02; C12R 1/84

ABSTRACTED-PUB-NO: WO2003090664A
BASIC-ABSTRACT:

NOVELTY - A mutated human papillomavirus-16 (HPV-16) E7 polypeptide (I) comprises a deleted sequence starting from amino acid 21 and encoding by amino acid 26 of the native wild type HPV-16 E7 complete polypeptide sequence.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) a fusion protein comprising (I) linked to a tat polypeptide, preferably a human immunodeficiency virus-1 (HIV-1) tat peptide;
- (2) a polynucleotide encoding (I) or the fusion protein of (1);
- (3) a vector comprising (I), the fusion protein of (1) or the polypeptide of (2);
- (4) a cell transfected by or comprising the vector of (3);
- (5) an inhibitor directed against (I), the fusion protein of (1) or the polypeptide of (2);
- (6) a hybridoma cell expressing and producing the inhibitor of (5) or its active hypervariable portion;
- (7) a pharmaceutical composition comprising a carrier or diluent and (I), the fusion protein of (1), the polypeptide of (2), the vector of (3), the cell of (4) and/or the inhibitor of (5);
- (8) treatment or prevention of cancer affecting or supposed to affect a mammal, especially cancer induced by a human papillomavirus or HIV-16, comprising administering to the mammal the pharmaceutical composition of (7) in order to prevent or cure the symptoms of cancer or stop the development of tumors, in particular tumors induced by a human papillomavirus or HPV-16; and
- (9) obtaining a recombinant HPV E7 polypeptide from a yeast cell, comprising transforming a yeast cell culture, preferably a *Pichia pastoris* yeast cell culture with the vector of (3), selecting the cells transformed by the vector, culturing the selected transformed cells in an adequate culture medium, and obtaining and possibly purifying a recombinant HPV-16 E7 protein from the supernatant of the culture medium of the cells.

ACTIVITY - Cytostatic. The measure of anti-tumoral effect of the HPV-16 E7 was done in groups of 8 mice injected twice subcutaneously at the base of the tail with the sample produced in *Pichia pastoris*. The results showed that the protein induced resistance to progression of the syngeneic tumor and generated a protective anti-tumoral immunity.

MECHANISM OF ACTION - Vaccine.

USE - The pharmaceutical composition of the present invention is useful for the manufacture of a medicament for the treatment and/or prevention of cancer, preferably cancer induced by a human papillomavirus, especially the strain of HPV-16 (claimed).

WEST Search History

DATE: Tuesday, February 13, 2007

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
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<input type="checkbox"/>	L5	Zagury Daniel.in.	11
<input type="checkbox"/>	L4	HPV-16 and E7 protein.clm.	25
		<i>DB=USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L3	HPV-16 and E7 protein.clm.	14
<input type="checkbox"/>	L2	papillomavirus and E7 protein.clm.	25
<input type="checkbox"/>	L1	papillomavirus and E7 protein	283

END OF SEARCH HISTORY